



NES

NEXUS ENGINEERING SERVICES

Year 2023

"You cannot create experience

You must undergo it."

Albert Camus

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1 About Us

NES, is a Global Provider of Multidisciplinary Services, which was founded at the end of a professional evolutionary path undertaken by each of its founding partners, each one coming in after a deep experience in a large international company.

During the last years **NES** has increasingly transformed itself growing steadily to reach today's structure and dimension.

The culture of **NES's** partners and managers is to provide its customers with the highest quality services, with high flexibility and dynamism to be able to satisfy daily requests in a very short time. We guide the client through the process, ensuring they are fully engaged in exploring ideas and making informed decisions. We therefore strongly believe in long term partnerships, to create a "shared and durable value" with our customers.

The Company has now operating offices in **Italy, United Arab Emirates (UAE) and Egypt** through which it is possible to cover, quickly and cost effective, the needs of our customers in vast areas of the world.

NES unique vision, mission and values capture the essence of who we are and how we interact with one another. The **NES's** core values help to define the culture of the group, motivating our staff to give their best and imprinting in our Clients confidence that we will deliver solutions of the very highest quality.

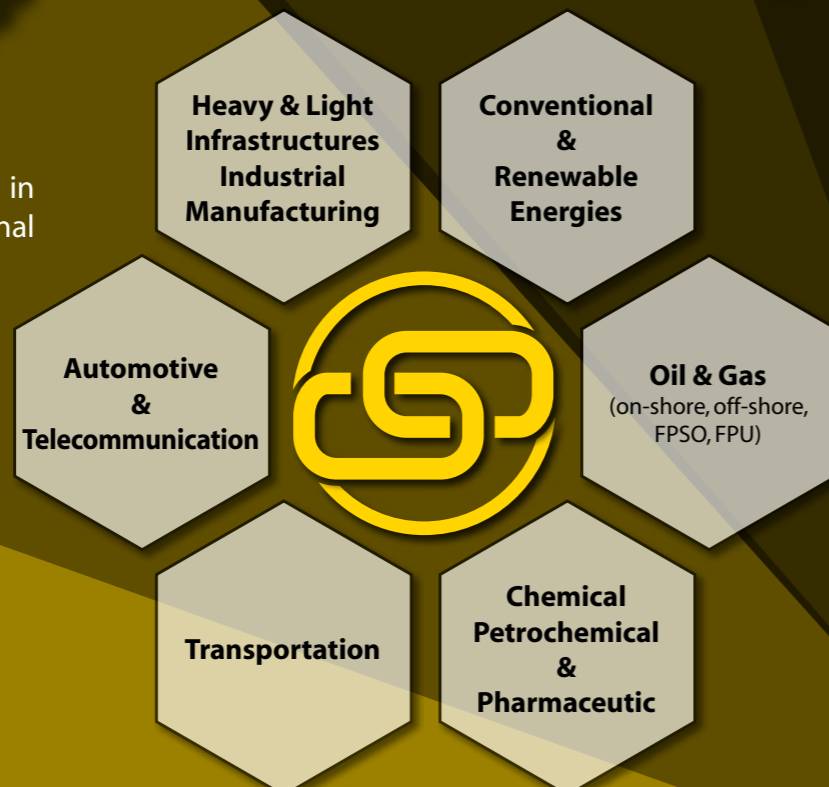
2 Markets

The strategic geographical location of the various **NES** operational offices allows us to support our Clients quickly with an operational focus mainly in **Europe, Africa and Middle East**.



4

We support our Clients in all our currently operational business sectors:



3 Our Vision and Mission

Our activities are based on the following core values:

- Commitment to customer satisfaction.
- Commitment to employee satisfaction.
- Professional integrity.
- Continuous innovation.
- Pride in organization.
- Contribution to the well-being of the society.
- Contribution to the preservation of the environment.
- Integrity & Professional behaviour



5



"Ensure even the most complex projects feel simple"



1

Tailored solutions to meet individual needs:

We know that every Client and every project is different, so we work closely with you at every stage of your project to truly understand your goals, adding value and (ideally) exceeding expectations every step of the way.

Our in-house capabilities encompass all design, construction and commissioning services across mechanical, structural, piping, electrical, instrumentation, manufacturing and fabrication disciplines.

Every step of the way we focus on safety, cost-effectiveness and efficiency:

We provide an end-to-end build, operating and maintenance service. From construction and maintenance, throughout optimisation and plant operation, our teams have the experience and capability to add value at every stage of your asset's lifecycle. Even if your requirement is a small manufacturing facility or a major resource processing plant, we can provide the capabilities to take your assets from early contractor involvement till any of the stages in between.

2



3

Enjoy complete project management peace of mind:

Revolving around good planning of engineering, procurement, materials management, project controls, it is possible to define the most suitable approach to implement to construction management.

With this philosophy, we achieve the best possible outcome safely, respecting the schedule and the budget.

6

Make informed, effective project control:

We provide specialized and standardized project services for clients across the industry spectrum, giving you the project insights, you need to move forward. From budgeting and accounting, through vendor election, contract negotiation, materials management, logistics and expediting. No question marks. No matter how large, small or complex the challenge.

4



5

Working as a team, growing as people:

Our people are our business. Their professional growth is our growth. With this in mind, we attract, recruit and retain the most experienced and passionate professionals and provide a collaborative culture that allows them to thrive professionally and personally. In an industry where people traditionally come and go, our people - the best in the business - stay and grow.

6



H24/7 availability:

NES is able to provide H:24 and 365 days a year a human and technical support, to deal with every kind of job, anywhere in the world even in case of emergency. The availability of highly qualified personnel, even with a short time notice, is guaranteed by the presence of:

- Engineering, Management, Recruitment and Procurement Departments always available.
- Staff available to travel all year, with zero notice, round and anywhere in the world.
- Local presence of NES qualified personnel ensuring that all customer requests are met.

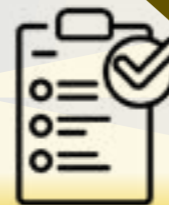
4 What We Do Our Services



TECHNICAL RECRUITING & OUTSOURCING SERVICE



ENGINEERING SERVICE



PROJECT & FIELD MANAGEMENT SERVICE



QUALITY, EXPEDITING & INSPECTION SERVICE



OPERATION & MAINTENANCE



PACKAGE SUPPLY SERVICE



TECHNICAL TRAINING

7

Technical Recruiting

NES finds talent needed around the world when unavailable domestically. We source, recruit and onboard high-quality contract and permanent workers to short time scales, high volumes and specific requirements. We are passionate about the industries where we operate, the career-enhancing support we provide and the people with whom we work.

We offer cost-effective recruitment solutions tailored to your needs. Our recruitment and service delivery team are committed to providing your projects with the best combination of technical professionals with expert knowledge and value-added services. Our solutions include contract and permanent recruitment, payroll and national logistics, managed services and specialized personnel, available anywhere in the world.

Furthermore, at NES we don't just source talent, but we create it through a combination of recruitment, training and relocation. We work in partnership with our Clients to understand their business problems and provide innovative talent solutions that truly makes a difference to our clients' success.

Research software and database reduces our response time when we receive a client request for candidates, often allowing us to provide a shortlist of vetted candidates in 48-72 hours.

Working across the full spectrum of technical and management disciplines, we have an enviable network of over 10,000 technical professionals.

NES database consists of world class professionals including:

- NDT and Quality Inspectors
- Expeditor specialists and Managers
- Construction and Commissioning Managers
- Site and Project Managers
- Technicians and Operators
- Document and Project Controllers
- Procurement and Supply Chain
- Mechanical Specialists (Package, Static and Rotating Machinery)
- CAD Operators
- HRSG specialists
- Electrical and I&C Specialists
- Piping Specialists
- Planners and Schedulers

Our technical staffing services include:

- Contract and leasing recruitment
- Permanent and headhunting recruitment
- Project management solutions
- Managed service provider
- Contract management support
- Pay rolling and tax compliant services
- In-country logistics (managing flights, visas, accommodation and local transportation...)



"Hire the right person for the job, not the closest one to it"

Engineering Services

Whether you're looking for support with a small feasibility study or a partner for a large and complex project, you can depend on us. We offer complete engineering design services starting from a concept to a concrete solution.

Working closely in one team you get access to the multi-disciplinary engineering services covering all project lifecycle phases. Taking **NES** as your technical partner, that covers all disciplines, will result in cost saving, improved quality and efficiency and fast-track project delivery by minimizing any misalignments process or technical errors.

MAIN ENGINEERING SERVICES

- Feasibility Study
- Basic Engineering (BED)
- Front-End Engineering (FEE)
- Detailed Engineering
- Engineering for EPC
- Project Scheduling and Planning
- Service and Maintenance Engineering
- Engineering mark-up & as-built drawings



"We adapt solution to Clients requirements"

Engineering Services

ELECTRICAL

Cables List
 Wiring Diagram
 Terminal Block Diagram
 Earthing and Lighting System
 Cable trays routing
 ELL= Electrical Load List

STRUCTURAL / CIVIL

Structural Calculation
 Stress analysis
 FEA= Finite Element Analysis
 Cable trays routing
 ELL= Electrical Load List

PROCESS

P&ID: Process and Instrumentation Diagram
 PFD: Process and Flow Diagram
 PDS /DS: Process Datasheet / Duty specification
 C&E (Cause and Effect Diagram)
 Utility/Effluent List
 HAZOP: HAZard and OPerability analysis
 HAZID : HAZard Identification
 SIL: Safety Integrity Level

MECHANICAL (Package, Rotating, Static)

Material Requisition: Scope of Supply, Applicable specifications
 IDS: Inspection Datasheet
 MDS: Mechanical Datasheet or Duty specification
 RFQ: Request for quotation
 For static only: Pre-design thermal and mechanical calculation of the equipment
 Technical Vendors Short-list/ Offers pre-screening
 TBE: Technical Bid Evaluation
 Clarification Sheet/List
 Deviation List
 Alignment meeting+ KOM (kick-off meeting)
 Package follow-up

PIPING / LAYOUT

Plant Layout
 3D Model
 Isometric Drawing
 Weight and Control Report
 Piping Material Specification

FOCUS on RENEWABLES:

Permitting and environmental impact assessment
 Environmental and landscapes studies, Via, Sia, Vinca, Viarch etc.
 Study and optimization of plant layouts
 Structural calculations
 Network Connections
 Acoustic Studies
 Vibrational Studies
 Study on the shadow-flickering effect
 Connection to the network
 Civil and structural project
 Electrical project
 Road project
 Owner's Engineering

AUTOMATION / INSTRUMENTATION

Input/ Output (I/O) list
 Logic Diagrams
 Instrument Datasheet
 Instrument List
 PLC (Programmable Logic Controller) design
 FAT and I-FAT: Factory Acceptance Test and Integrated Factory Acceptance Test
 SIL: Safety Integrity Level Study
 Hook-ups

Project & Field Management Services

Based on industry best practices and our own experience in the field, **NES's** Project Management services ensure that projects are completed efficiently to meet customer expectations. We do this not only by monitoring project milestones as they happen, but also by supporting staff members as they complete project tasks.

NES offers extensive Project & Filed Management services, including the following:

- Plan resources across the life of the project to schedule technicians and equipment for project jobs
- Service teams that do break-and-fix repairs one day and project installations
- Costs estimate, revenues and margins and do actual cost analysis ·Purchase materials and equipment with requisition, purchasing and receipts of products
- Built in billing triggers on various intervals to keep the cash flow solid throughout the life of the project
- Track time with access to timesheets and expenses reporting tools

NES management philosophy is based on 3 key-aspects:

- 1. Schedule:** we are a schedule driven organization. With our expertise in schedule management, our Field Management team ensures that your project will meet critical enclosure deadlines.
- 2. Safety:** safety culture runs deep and is evident in the way we operate. From our job hazard analysis and pre-task planning to ongoing audits conducted through a project life cycle, we are visibly committed to continuously improving our safety.
- 3. Quality:** From the components to the installation, our Field Management team will ensure the project meets high quality standards.



"We foster the turn that each project needs"

Quality, Expediting & Inspection Services

NES is providing high quality supplier inspection, shipping and quality services. The experience and achievements obtained allows to hedge with ease and dynamism to cover all Europe, North Africa & Middle East areas.

Activities and Services in detail:

- ITP Check and Review
- FAT and SAT procedure
- Onsite and Remote Inspections
- Inspection Report
- Technical and Manufacturing Audit
- Pre-Inspection Meeting (PIM)
- Packing and shipment Inspection
- Product Inspection and Testing
- Material acceptability on site

Operation & Maintenance Services

Whether you are an independent power producer, a public utility or a manufacturer producing your own power, **NES** O&M can help you with the following package services:

O&M Advisory

A team of well-trained specialists will advise your team in ramping up the O&M mobilization and in the performance of O&M tasks during the commercial operation phase of typically three years or more. And at the end of the contract period, our specialists will leave the site with processes in place, implemented and optimized, to help your team successfully operate and maintain the power plant in the future.

O&M Management

O&M Management **NES** specialists can be on staff in key O&M management positions for the contracted period in certain Countries. These specialists provide regular on-the-job training to your personnel to help prepare them to successfully operate the power plant after the contract ends.

Full Scope Maintenance (FSM)

The Full Scope Maintenance is a comprehensive maintenance package which includes maintenance activities performed by **NES** at the power plant utilizing local personnel and a defined number of **NES** specialists. Operation-related tasks remain with the customer. This package can offer more predictable maintenance costs and reduced potential for issues regarding the maintenance of the plant.

A FSM contract can be combined with the O&M Advisory Services to further optimize plant operation.

The result of the Operation & Maintenance Services (O&M) by **NES** are undoubted and listed below:

- Meet increasingly demanding environmental and safety standards
- Optimized lifecycle costs
- Widen your competitive edge
- Protect your assets and mitigate risks
- Enhanced plant performance (incl. availability or reliability)
- Minimize response times
- Establish a sound basis for your financial planning

"Service begins from the moment you call"

"We use tech tools and methodologies to enhance value"

HIGH

QUALITY LEVEL

MED.

LOW



Package Supply Services

Based on our in-house expertise in engineering, design, fabrication and packaging we can deliver several Process Equipment Packages that provide our clients with certified, flexible and cost-effective equipment solutions. We can provide off-the-shelf solutions as well as exclusive designs for unique needs manufactured according to specific client requirements across the Oil & Gas, Chemical, Petrochemical and alternative energy industries.

Over the years of activity we have accumulated deep experience and competence in the supply of packages such as:

- Oil and Gas Metering Skid Packages
- Pressure Vessels
- Pressure Reduction Skids
- Heat exchangers
- Gas treatment package
- Chemical Injection package
- Others

Whether your project is simple or complex, construction requires a knowledgeable team that understands the full scope of your project. **NES** has proven experience in Civil, Structural, Shop Fabrication, Piping, Equipment, Electrical, Mechanical and Instrumentation services. Our reliable, in-house construction professionals are ready to build your project correctly, safely and timely.

Technical Training Services

At **NES** we provide our customers with a training experience that is applicable to their daily challenges and needs. With our vast global experience in the power industry, we have a large pool of training proposals, that will provide you with the knowledge to optimally use your products maximizing performance, availability and reliability to successfully meet market demands.

A robust training plan can provide your plant with direct benefits such as:

- Increased expertise and productivity of your operating personnel
- Cost and performance optimization
- Operator error avoidance
- Efficient use of all plant systems
- Less downtime and lower maintenance costs
- Knowledgeable staff who can help protect your plant against cyber security attacks

Whether you need training in power generation, operation and maintenance, instrumentation and controls or distribution and transmission, we've got you covered. In **NES**, we have a global training network with highly experienced and qualified instructors can provide a wide range of training options with cutting edge technology, designed specifically for various plant personnel positions. Many of our courses can be customized to meet your schedule and budget requirements.

Our main types of Training courses are:

- Customized Training
- Simulator training
- E-Learning training
- On-site training
- Classroom training

All training programs can be organized in Italian, English or in other languages, fully adapting to every need requested by every Client.

"Meeting your evolving needs"





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